

ANALYTICAL RESULTS

Prepared by:

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Prepared for:

ExxonMobil
 Mobil Pipeline Company
 PO Box 4416
 Houston TX 77210-4416

April 13, 2013

Project: Mayflower, AR Pipeline Incident

Submittal Date: 04/12/2013
 Group Number: 1382445
 SDG: PEG19
 PO Number: 4510076246
 Release Number: MAYFLOWER 1406
 State of Sample Origin: AR

Client Sample Description

WS-003(SURFACE)041113 Grab Surface Water
 Mayflower, AR
 Pipeline Incident
 WS-002(SURFACE)041113 Grab Surface Water
 Mayflower, AR
 Pipeline Incident
 WS-BKG-001(SURFACE)041113 Grab Surface Water
 Mayflower, AR
 Pipeline Incident
 WS-005(SURFACE)041113 Grab Surface Water
 Mayflower, AR
 Pipeline Incident
 WS-001(SURFACE)041113 Grab Surface Water
 Mayflower, AR
 Pipeline Incident
 WS-001(0.5-1.0)041113 Grab Surface Water
 Mayflower, AR
 Pipeline Incident
 WS-004(SURFACE)041113 Grab Surface Water
 Mayflower, AR
 Pipeline Incident

Lancaster Labs #

7020037

Collected

04/11/2013 09:05

7020038

04/11/2013 10:20

7020039

04/11/2013 10:55

7020040

04/11/2013 12:35

7020041

04/11/2013 13:15

7020042

04/11/2013 13:20

7020043

04/11/2013 13:50

WS-004(0.5-1.0)041113 Grab Surface Water Mayflower, AR Pipeline Incident	7020044	04/11/2013 13:55
WS-007(SURFACE)041113 Grab Surface Water Mayflower, AR Pipeline Incident	7020045	04/11/2013 14:25
WS-007(0.5-1.0)041113 Grab Surface Water Mayflower, AR Pipeline Incident	7020046	04/11/2013 14:30
WS-006(SURFACE)041113 Grab Surface Water Mayflower, AR Pipeline Incident	7020047	04/11/2013 15:00
WS-006(0.5-1.0)041113 Grab Surface Water Mayflower, AR Pipeline Incident	7020048	04/11/2013 15:05
WS-008(SURFACE)041113 Grab Surface Water Mayflower, AR Pipeline Incident	7020049	04/11/2013 16:00
WS-DUP4-041113 Grab Surface Water Mayflower, AR Pipeline Incident	7020050	04/11/2013
WS-TB-07-041113 Water Mayflower, AR Pipeline Incident	7020051	04/11/2013

METHODOLOGY

The specified methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

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ExxonMobil Pipeline Company
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Attn: Stephen Barrick
Attn: Lyndi Mott
Attn: Scott Bushroe
Attn: Timothy S. Martin
Attn: Michael J Firth

Respectfully Submitted,

Katherine A. Klinefelter

Katherine A. Klinefelter
Principal Specialist

ExxonMobil
 Project: Mayflower, AR Pipeline Incident
 SDG: PEG19

Report Date: 4/13/2013 18:19
 Submit Date: 4/12/2013 9:25

Analysis Name	Units	7020037 WS- 003(SURFA CE)041113			7020038 WS-002(SURFACE)041113				
		Result	MDL**	LOQ	Result	MDL**	LOQ		
Acetone	ug/l		N.D.	3.0	5.0		N.D.	3.0	5.0
Allyl Chloride	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Benzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Bromobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Bromoform	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Bromochloromethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Bromodichloromethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Bromomethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
2-Butanone	ug/l		N.D.	1.0	5.0		N.D.	1.0	5.0
n-Butylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
sec-Butylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
tert-Butylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Carbon Tetrachloride	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Chlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Chloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Chloroform	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Chloromethane	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5
2-Chlorotoluene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
4-Chlorotoluene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2-Dibromo-3-chloropropane	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5
Dibromochloromethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2-Dibromoethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5

** = This limit was used in the evaluation of the final result

Dibromomethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2-Dichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,3-Dichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,4-Dichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Dichlorodifluoromethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1-Dichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2-Dichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1-Dichloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
cis-1,2-Dichloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
trans-1,2-Dichloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Dichlorofluoromethane	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5
1,2-Dichloropropane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,3-Dichloropropane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
2,2-Dichloropropane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1-Dichloropropene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
cis-1,3-Dichloropropene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
trans-1,3-Dichloropropene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Ethyl ether	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Ethylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Freon 113	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5
Hexachlorobutadiene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Isopropylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
p-Isopropyltoluene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Methyl Tertiary Butyl Ether	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
4-Methyl-2-Pentanone	ug/l		N.D.	1.0	5.0		N.D.	1.0	5.0
Methylene Chloride	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5
n-Propylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Styrene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,1,2-Tetrachloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,2,2-Tetrachloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Tetrachloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Tetrahydrofuran	ug/l		N.D.	2.0	5.0		N.D.	2.0	5.0
Toluene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5

** = This limit was used in the evaluation of the final result

1,2,3-Trichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5		
1,2,4-Trichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5		
1,1,1-Trichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5		
1,1,2-Trichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5		
Trichloroethylene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5		
Trichlorofluoromethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5		
1,2,3-Trichloropropane	ug/l		N.D.	0.3	1.0		N.D.	0.3	1.0		
1,2,4-Trimethylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5		
1,3,5-Trimethylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5		
Vinyl Chloride	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5		
Xylene (Total)	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5		
Acenaphthene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.054		
Acenaphthylene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.054		
Anthracene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.054		
Benzo(a)anthracene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.054		
Benzo(a)pyrene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.054		
Benzo(b)fluoranthene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.054		
Benzo(g,h,i)perylene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.054		
Benzo(k)fluoranthene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.054		
Chrysene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.054		
Dibenz(a,h)anthracene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.054		
Fluoranthene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.054		
Fluorene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.054		
Indeno(1,2,3-cd)pyrene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.054		
1-Methylnaphthalene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.054		
2-Methylnaphthalene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.054		
Naphthalene	ug/l		N.D.	0.032	0.053		N.D.	0.033	0.054		
Phenanthrene	ug/l		N.D.	0.032	0.053		N.D.	0.033	0.054		
Pyrene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.054		
Total Hardness as CaCO ₃	mg/l			14.3	0.064	0.20		12.6	0.064	0.20	
Arsenic	mg/l				N.D.	0.0068	0.0200		N.D.	0.0068	0.0200
Barium	mg/l				0.0221	0.00033	0.0050		0.0175	0.00033	0.0050
Cadmium	mg/l				0.00040 J	0.00036	0.0050		0.00043 J	0.00036	0.0050

** = This limit was used in the evaluation of the final result

Calcium	mg/l		3.13	0.0640	0.200		2.71	0.0640	0.200
Chromium	mg/l		N.D.	0.0011	0.0150		N.D.	0.0011	0.0150
Lead	mg/l		N.D.	0.0051	0.0150		N.D.	0.0051	0.0150
Magnesium	mg/l		1.59	0.0606	0.100		1.41	0.0606	0.100
Nickel	mg/l		N.D.	0.0011	0.0100		N.D.	0.0011	0.0100
Selenium	mg/l		N.D.	0.0075	0.0200		N.D.	0.0075	0.0200
Silver	mg/l		N.D.	0.0012	0.0050		N.D.	0.0012	0.0050
Vanadium	mg/l		N.D.	0.0013	0.0050		N.D.	0.0013	0.0050
Mercury	mg/l		N.D.	0.000070	0.00020		N.D.	0.000070	0.00020
HEM (oil & grease)	mg/l		N.D.	1.4	5.0		N.D.	1.4	5.0

Analysis Name	Units	7020039 WS-BKG- 001(SURFA CE)041113			7020040 WS-005(SURFACE)041113				
		Result	MDL**	LOQ	Result	MDL**	LOQ		
Acetone	ug/l		N.D.	3.0	5.0		N.D.	3.0	5.0
Allyl Chloride	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Benzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Bromobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Bromoform	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Bromomethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
2-Butanone	ug/l		N.D.	1.0	5.0		N.D.	1.0	5.0
n-Butylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
sec-Butylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
tert-Butylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Carbon Tetrachloride	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Chlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Chloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Chloroform	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Chloromethane	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5

** = This limit was used in the evaluation of the final result

2-Chlorotoluene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
4-Chlorotoluene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2-Dibromo-3-chloropropane	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5
Dibromochloromethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2-Dibromoethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Dibromomethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2-Dichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,3-Dichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,4-Dichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Dichlorodifluoromethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1-Dichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2-Dichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1-Dichloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
cis-1,2-Dichloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
trans-1,2-Dichloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Dichlorofluoromethane	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5
1,2-Dichloropropane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,3-Dichloropropane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
2,2-Dichloropropane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1-Dichloropropene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
cis-1,3-Dichloropropene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
trans-1,3-Dichloropropene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Ethyl ether	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Ethylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Freon 113	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5
Hexachlorobutadiene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Isopropylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
p-Isopropyltoluene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Methyl Tertiary Butyl Ether	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
4-Methyl-2-Pentanone	ug/l		N.D.	1.0	5.0		N.D.	1.0	5.0
Methylene Chloride	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5
n-Propylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Styrene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5

** = This limit was used in the evaluation of the final result

1,1,1,2-Tetrachloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,2,2-Tetrachloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Tetrachloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Tetrahydrofuran	ug/l		N.D.	2.0	5.0		N.D.	2.0	5.0
Toluene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2,3-Trichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2,4-Trichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,1-Trichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,2-Trichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Trichloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Trichlorofluoromethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2,3-Trichloropropane	ug/l		N.D.	0.3	1.0		N.D.	0.3	1.0
1,2,4-Trimethylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,3,5-Trimethylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Vinyl Chloride	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Xylene (Total)	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Acenaphthene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055
Acenaphthylene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055
Anthracene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055
Benzo(a)anthracene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055
Benzo(a)pyrene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055
Benzo(b)fluoranthene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055
Benzo(g,h,i)perylene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055
Benzo(k)fluoranthene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055
Chrysene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055
Dibenz(a,h)anthracene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055
Fluoranthene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055
Fluorene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055
Indeno(1,2,3-cd)pyrene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055
1-Methylnaphthalene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055
2-Methylnaphthalene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055
Naphthalene	ug/l		N.D.	0.031	0.052		N.D.	0.033	0.055
Phenanthrene	ug/l		N.D.	0.031	0.052		N.D.	0.033	0.055

** = This limit was used in the evaluation of the final result

Pyrene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055
Total Hardness as CaCO ₃	mg/l		23.1	0.064	0.20		15.6	0.064	0.20
Arsenic	mg/l		N.D.	0.0068	0.0200		N.D.	0.0068	0.0200
Barium	mg/l		0.0301	0.00033	0.0050		0.0214	0.00033	0.0050
Cadmium	mg/l		0.00053 J	0.00036	0.0050		0.00045 J	0.00036	0.0050
Calcium	mg/l		6.07	0.0640	0.200		3.50	0.0640	0.200
Chromium	mg/l		0.0012 J	0.0011	0.0150		N.D.	0.0011	0.0150
Lead	mg/l		N.D.	0.0051	0.0150		N.D.	0.0051	0.0150
Magnesium	mg/l		1.93	0.0606	0.100		1.67	0.0606	0.100
Nickel	mg/l		0.0015 J	0.0011	0.0100		N.D.	0.0011	0.0100
Selenium	mg/l		N.D.	0.0075	0.0200		N.D.	0.0075	0.0200
Silver	mg/l		N.D.	0.0012	0.0050		N.D.	0.0012	0.0050
Vanadium	mg/l		0.0016 J	0.0013	0.0050		N.D.	0.0013	0.0050
Mercury	mg/l		N.D.	0.000070	0.00020		N.D.	0.000070	0.00020
HEM (oil & grease)	mg/l		N.D.	1.4	5.0		N.D.	1.4	5.0

Analysis Name	Units	7020041			7020042				
		WS-001(SURFA CE)041113	Result	MDL**	LOQ	WS-001(0.5-1.0)041113	Result	MDL**	LOQ
Acetone	ug/l		N.D.	3.0	5.0		N.D.	3.0	5.0
Allyl Chloride	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Benzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Bromobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Bromoform	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Bromoform	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Bromomethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
2-Butanone	ug/l		N.D.	1.0	5.0		N.D.	1.0	5.0
n-Butylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
sec-Butylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
tert-Butylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5

** = This limit was used in the evaluation of the final result

Carbon Tetrachloride	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Chlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Chloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Chloroform	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Chloromethane	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5
2-Chlorotoluene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
4-Chlorotoluene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2-Dibromo-3-chloropropane	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5
Dibromochloromethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2-Dibromoethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Dibromomethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2-Dichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,3-Dichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,4-Dichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Dichlorodifluoromethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1-Dichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2-Dichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1-Dichloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
cis-1,2-Dichloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
trans-1,2-Dichloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Dichlorofluoromethane	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5
1,2-Dichloropropane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,3-Dichloropropane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
2,2-Dichloropropane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1-Dichloropropene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
cis-1,3-Dichloropropene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
trans-1,3-Dichloropropene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Ethyl ether	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Ethylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Freon 113	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5
Hexachlorobutadiene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Isopropylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
p-Isopropyltoluene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5

** = This limit was used in the evaluation of the final result

Methyl Tertiary Butyl Ether	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
4-Methyl-2-Pentanone	ug/l		N.D.	1.0	5.0		N.D.	1.0	5.0
Methylene Chloride	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5
n-Propylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Styrene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,1,2-Tetrachloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,2,2-Tetrachloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Tetrachloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Tetrahydrofuran	ug/l		N.D.	2.0	5.0		N.D.	2.0	5.0
Toluene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2,3-Trichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2,4-Trichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,1-Trichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,2-Trichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Trichloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Trichlorofluoromethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2,3-Trichloropropane	ug/l		N.D.	0.3	1.0		N.D.	0.3	1.0
1,2,4-Trimethylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,3,5-Trimethylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Vinyl Chloride	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Xylene (Total)	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Acenaphthene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.055
Acenaphthylene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.055
Anthracene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.055
Benzo(a)anthracene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.055
Benzo(a)pyrene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.055
Benzo(b)fluoranthene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.055
Benzo(g,h,i)perylene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.055
Benzo(k)fluoranthene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.055
Chrysene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.055
Dibenz(a,h)anthracene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.055
Fluoranthene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.055
Fluorene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.055

** = This limit was used in the evaluation of the final result

Indeno(1,2,3-cd)pyrene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.055	
1-Methylnaphthalene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.055	
2-Methylnaphthalene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.055	
Naphthalene	ug/l		N.D.	0.032	0.053		N.D.	0.033	0.055	
Phenanthrene	ug/l		N.D.	0.032	0.053		N.D.	0.033	0.055	
Pyrene	ug/l		N.D.	0.011	0.053		N.D.	0.011	0.055	
Total Hardness as CaCO ₃	mg/l			14.7	0.064	0.20		14.5	0.064	0.20
Arsenic	mg/l			N.D.	0.0068	0.0200		N.D.	0.0068	0.0200
Barium	mg/l			0.0222	0.00033	0.0050		0.0242	0.00033	0.0050
Cadmium	mg/l			N.D.	0.00036	0.0050		0.00049 J	0.00036	0.0050
Calcium	mg/l			3.28	0.0640	0.200		3.27	0.0640	0.200
Chromium	mg/l			N.D.	0.0011	0.0150		N.D.	0.0011	0.0150
Lead	mg/l			N.D.	0.0051	0.0150		N.D.	0.0051	0.0150
Magnesium	mg/l			1.58	0.0606	0.100		1.55	0.0606	0.100
Nickel	mg/l			N.D.	0.0011	0.0100		0.0013 J	0.0011	0.0100
Selenium	mg/l			N.D.	0.0075	0.0200		N.D.	0.0075	0.0200
Silver	mg/l			N.D.	0.0012	0.0050		N.D.	0.0012	0.0050
Vanadium	mg/l			N.D.	0.0013	0.0050		0.0017 J	0.0013	0.0050
Mercury	mg/l			N.D.	0.000070	0.00020		N.D.	0.000070	0.00020
HEM (oil & grease)	mg/l			N.D.	1.4	5.0		N.D.	1.4	5.0

Analysis Name	Units	7020043			7020044				
		WS-004(SURFA CE)041113			WS-004(0.5-1.0)041113				
Acetone	ug/l	3.2 J	3.0	5.0		N.D.	3.0	5.0	
Allyl Chloride	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Benzene	ug/l	0.4 J	0.1	0.5		0.5	0.1	0.5	
Bromobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Bromoform	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Bromochloromethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Bromodichloromethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5

** = This limit was used in the evaluation of the final result

Bromomethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
2-Butanone	ug/l		N.D.	1.0	5.0	N.D.	1.0	5.0
n-Butylbenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
sec-Butylbenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
tert-Butylbenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Carbon Tetrachloride	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Chlorobenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Chloroethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Chloroform	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Chloromethane	ug/l		N.D.	0.2	0.5	N.D.	0.2	0.5
2-Chlorotoluene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
4-Chlorotoluene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dibromo-3-chloropropane	ug/l		N.D.	0.2	0.5	N.D.	0.2	0.5
Dibromochloromethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dibromoethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Dibromomethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dichlorobenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,3-Dichlorobenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,4-Dichlorobenzene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Dichlorodifluoromethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,1-Dichloroethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dichloroethane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,1-Dichloroethene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
cis-1,2-Dichloroethene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
trans-1,2-Dichloroethene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Dichlorofluoromethane	ug/l		N.D.	0.2	0.5	N.D.	0.2	0.5
1,2-Dichloropropane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,3-Dichloropropane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
2,2-Dichloropropane	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
1,1-Dichloropropene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
cis-1,3-Dichloropropene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
trans-1,3-Dichloropropene	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5
Ethyl ether	ug/l		N.D.	0.1	0.5	N.D.	0.1	0.5

** = This limit was used in the evaluation of the final result

Ethylbenzene	ug/l		2.3	0.1	0.5		2.8	0.1	0.5	
Freon 113	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5	
Hexachlorobutadiene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
Isopropylbenzene	ug/l		0.1 J	0.1	0.5		0.1 J	0.1	0.5	
p-Isopropyltoluene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
Methyl Tertiary Butyl Ether	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
4-Methyl-2-Pentanone	ug/l		N.D.	1.0	5.0		N.D.	1.0	5.0	
Methylene Chloride	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5	
n-Propylbenzene	ug/l		0.3 J	0.1	0.5		0.3 J	0.1	0.5	
Styrene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
1,1,1,2-Tetrachloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
1,1,2,2-Tetrachloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
Tetrachloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
Tetrahydrofuran	ug/l		N.D.	2.0	5.0		N.D.	2.0	5.0	
Toluene	ug/l		4.1	0.1	0.5		5.1	0.1	0.5	
1,2,3-Trichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
1,2,4-Trichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
1,1,1-Trichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
1,1,2-Trichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
Trichloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
Trichlorofluoromethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
1,2,3-Trichloropropane	ug/l		N.D.	0.3	1.0		N.D.	0.3	1.0	
1,2,4-Trimethylbenzene	ug/l			2.1	0.1	0.5		2.6	0.1	0.5
1,3,5-Trimethylbenzene	ug/l			0.9	0.1	0.5		1.0	0.1	0.5
Vinyl Chloride	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
Xylene (Total)	ug/l		17	0.1	0.5		20	0.1	0.5	
Acenaphthene	ug/l		N.D.	0.011	0.053		N.D.	0.012	0.058	
Acenaphthylene	ug/l		N.D.	0.011	0.053		N.D.	0.012	0.058	
Anthracene	ug/l		N.D.	0.011	0.053		N.D.	0.012	0.058	
Benzo(a)anthracene	ug/l		N.D.	0.011	0.053		N.D.	0.012	0.058	
Benzo(a)pyrene	ug/l		N.D.	0.011	0.053		N.D.	0.012	0.058	
Benzo(b)fluoranthene	ug/l		N.D.	0.011	0.053		0.014 J	0.012	0.058	
Benzo(g,h,i)perylene	ug/l		N.D.	0.011	0.053		N.D.	0.012	0.058	

** = This limit was used in the evaluation of the final result

Benzo(k)fluoranthene	ug/l		N.D.	0.011	0.053		N.D.	0.012	0.058	
Chrysene	ug/l		N.D.	0.011	0.053		0.021 J	0.012	0.058	
Dibenz(a,h)anthracene	ug/l		N.D.	0.011	0.053		N.D.	0.012	0.058	
Fluoranthene	ug/l		N.D.	0.011	0.053		0.016 J	0.012	0.058	
Fluorene	ug/l		N.D.	0.011	0.053		0.015 J	0.012	0.058	
Indeno(1,2,3-cd)pyrene	ug/l		N.D.	0.011	0.053		N.D.	0.012	0.058	
1-Methylnaphthalene	ug/l		0.017 J	0.011	0.053		0.035 J	0.012	0.058	
2-Methylnaphthalene	ug/l		0.017 J	0.011	0.053		0.038 J	0.012	0.058	
Naphthalene	ug/l		0.034 J	0.032	0.053		0.065	0.035	0.058	
Phenanthrene	ug/l		N.D.	0.032	0.053		N.D.	0.035	0.058	
Pyrene	ug/l		N.D.	0.011	0.053		0.019 J	0.012	0.058	
Total Hardness as CaCO3	mg/l			21.9	0.064	0.20		23.0	0.064	0.20
Arsenic	mg/l			N.D.	0.0068	0.0200		N.D.	0.0068	0.0200
Barium	mg/l			0.0805	0.00033	0.0050		0.0801	0.00033	0.0050
Cadmium	mg/l			0.00071 J	0.00036	0.0050		0.00069 J	0.00036	0.0050
Calcium	mg/l			4.50	0.0640	0.200		4.72	0.0640	0.200
Chromium	mg/l			0.0084 J	0.0011	0.0150		0.0091 J	0.0011	0.0150
Lead	mg/l			0.0086 J	0.0051	0.0150		0.0085 J	0.0051	0.0150
Magnesium	mg/l			2.60	0.0606	0.100		2.71	0.0606	0.100
Nickel	mg/l			0.0068 J	0.0011	0.0100		0.0075 J	0.0011	0.0100
Selenium	mg/l			N.D.	0.0075	0.0200		N.D.	0.0075	0.0200
Silver	mg/l			N.D.	0.0012	0.0050		N.D.	0.0012	0.0050
Vanadium	mg/l			0.0137	0.0013	0.0050		0.0136	0.0013	0.0050
Mercury	mg/l			N.D.	0.000070	0.00020		N.D.	0.000070	0.00020
HEM (oil & grease)	mg/l			N.D.	1.4	5.0		N.D.	1.4	5.0

Analysis Name	Units	7020045 WS- 007(SURFA CE)041113			7020046 WS-007(0.5-1.0)041113			
		Result	MDL**	LOQ	Result	MDL**	LOQ	
Acetone	ug/l	3.6 J	3.0	5.0		N.D.	3.0	5.0
Allyl Chloride	ug/l	N.D.	0.1	0.5		N.D.	0.1	0.5

Benzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Bromobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Bromo-chloromethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Bromo-dichloromethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Bromoform	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Bromo-methane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
2-Butanone	ug/l		N.D.	1.0	5.0		N.D.	1.0	5.0
n-Butylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
sec-Butylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
tert-Butylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Carbon Tetrachloride	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Chloro-benzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Chloro-ethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Chloro-form	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Chloro-methane	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5
2-Chloro-toluene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
4-Chloro-toluene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2-Dibromo-3-chloropropane	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5
Dibromo-chloro-methane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2-Dibromo-ethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Dibromo-methane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2-Dichloro-benzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,3-Dichloro-benzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,4-Dichloro-benzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Dichloro-difluoro-methane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1-Dichloro-ethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2-Dichloro-ethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1-Dichloro-ethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
cis-1,2-Dichloro-ethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
trans-1,2-Dichloro-ethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Dichloro-fluoro-methane	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5
1,2-Dichloro-propane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,3-Dichloro-propane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5

** = This limit was used in the evaluation of the final result

2,2-Dichloropropane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
1,1-Dichloropropene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
cis-1,3-Dichloropropene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
trans-1,3-Dichloropropene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
Ethyl ether	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
Ethylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
Freon 113	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5	
Hexachlorobutadiene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
Isopropylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
p-Isopropyltoluene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
Methyl Tertiary Butyl Ether	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
4-Methyl-2-Pentanone	ug/l		N.D.	1.0	5.0		N.D.	1.0	5.0	
Methylene Chloride	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5	
n-Propylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
Styrene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
1,1,1,2-Tetrachloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
1,1,2,2-Tetrachloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
Tetrachloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
Tetrahydrofuran	ug/l		N.D.	2.0	5.0		N.D.	2.0	5.0	
Toluene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
1,2,3-Trichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
1,2,4-Trichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
1,1,1-Trichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
1,1,2-Trichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
Trichloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
Trichlorofluoromethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
1,2,3-Trichloropropane	ug/l		N.D.	0.3	1.0		N.D.	0.3	1.0	
1,2,4-Trimethylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
1,3,5-Trimethylbenzene	ug/l		0.1	J	0.1	0.5	0.2	J	0.1	0.5
Vinyl Chloride	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
Xylene (Total)	ug/l		0.4	J	0.1	0.5	0.7		0.1	0.5
Acenaphthene	ug/l		N.D.	0.012	0.058		N.D.	0.011	0.057	
Acenaphthylene	ug/l		N.D.	0.012	0.058		N.D.	0.011	0.057	

** = This limit was used in the evaluation of the final result

Anthracene	ug/l		N.D.	0.012	0.058		0.012	J	0.011	0.057			
Benzo(a)anthracene	ug/l		N.D.	0.012	0.058		N.D.	0.011	0.057				
Benzo(a)pyrene	ug/l		N.D.	0.012	0.058		N.D.	0.011	0.057				
Benzo(b)fluoranthene	ug/l		0.015	J	0.012	0.058	0.027	J	0.011	0.057			
Benzo(g,h,i)perylene	ug/l		N.D.	0.012	0.058		N.D.	0.011	0.057				
Benzo(k)fluoranthene	ug/l		N.D.	0.012	0.058		N.D.	0.011	0.057				
Chrysene	ug/l		0.020	J	0.012	0.058	0.034	J	0.011	0.057			
Dibenz(a,h)anthracene	ug/l		N.D.	0.012	0.058		N.D.	0.011	0.057				
Fluoranthene	ug/l		0.029	J	0.012	0.058	0.12		0.011	0.057			
Fluorene	ug/l		N.D.	0.012	0.058		N.D.	0.011	0.057				
Indeno(1,2,3-cd)pyrene	ug/l		N.D.	0.012	0.058		N.D.	0.011	0.057				
1-Methylnaphthalene	ug/l		N.D.	0.012	0.058		N.D.	0.011	0.057				
2-Methylnaphthalene	ug/l		N.D.	0.012	0.058		N.D.	0.011	0.057				
Naphthalene	ug/l		N.D.	0.035	0.058		N.D.	0.034	0.057				
Phenanthrene	ug/l		N.D.	0.035	0.058		N.D.	0.034	0.057				
Pyrene	ug/l		0.025	J	0.012	0.058	0.065		0.011	0.057			
Total Hardness as CaCO ₃	mg/l			21.9	0.064	0.20		20.4	0.064	0.20			
Arsenic	mg/l		N.D.	0.0068	0.0200		N.D.	0.0068	0.0200				
Barium	mg/l			0.0800	0.00033	0.0050		0.0787	0.00033	0.0050			
Cadmium	mg/l			0.00065	J	0.00036	0.0050	0.00043	J	0.00036	0.0050		
Calcium	mg/l				4.50	0.0640	0.200		4.20	0.0640	0.200		
Chromium	mg/l				0.0082	J	0.0011	0.0150	0.0080	J	0.0011	0.0150	
Lead	mg/l				0.0096	J	0.0051	0.0150	0.0062	J	0.0051	0.0150	
Magnesium	mg/l					2.60	0.0606	0.100		2.40	0.0606	0.100	
Nickel	mg/l					0.0062	J	0.0011	0.0100	0.0058	J	0.0011	0.0100
Selenium	mg/l					N.D.	0.0075	0.0200		N.D.	0.0075	0.0200	
Silver	mg/l					N.D.	0.0012	0.0050		N.D.	0.0012	0.0050	
Vanadium	mg/l					0.0135	0.0013	0.0050		0.0117	0.0013	0.0050	
Mercury	mg/l					N.D.	0.000070	0.00020		N.D.	0.000070	0.00020	
HEM (oil & grease)	mg/l					N.D.	1.4	5.0		N.D.	1.4	5.0	

7020047

7020048

Analysis Name	Units	WS-006(SURFA CE)041113			WS-006(0.5-1.0)041113		
		Result	MDL**	LOQ	Result	MDL**	LOQ
Acetone	ug/l	N.D.	3.0	5.0	N.D.	3.0	5.0
Allyl Chloride	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Benzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Bromobenzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Bromoform	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Bromochloromethane	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Bromodichloromethane	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Bromoform	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Bromomethane	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
2-Butanone	ug/l	N.D.	1.0	5.0	N.D.	1.0	5.0
n-Butylbenzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
sec-Butylbenzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
tert-Butylbenzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Carbon Tetrachloride	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Chlorobenzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Chloroethane	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Chloroform	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Chloromethane	ug/l	N.D.	0.2	0.5	N.D.	0.2	0.5
2-Chlorotoluene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
4-Chlorotoluene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dibromo-3-chloropropane	ug/l	N.D.	0.2	0.5	N.D.	0.2	0.5
Dibromochloromethane	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dibromoethane	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Dibromomethane	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dichlorobenzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
1,3-Dichlorobenzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
1,4-Dichlorobenzene	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
Dichlorodifluoromethane	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
1,1-Dichloroethane	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5
1,2-Dichloroethane	ug/l	N.D.	0.1	0.5	N.D.	0.1	0.5

** = This limit was used in the evaluation of the final result

1,1-Dichloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
cis-1,2-Dichloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
trans-1,2-Dichloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Dichlorofluoromethane	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5
1,2-Dichloropropane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,3-Dichloropropane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
2,2-Dichloropropane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1-Dichloropropene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
cis-1,3-Dichloropropene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
trans-1,3-Dichloropropene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Ethyl ether	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Ethylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Freon 113	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5
Hexachlorobutadiene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Isopropylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
p-Isopropyltoluene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Methyl Tertiary Butyl Ether	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
4-Methyl-2-Pentanone	ug/l		N.D.	1.0	5.0		N.D.	1.0	5.0
Methylene Chloride	ug/l		N.D.	0.2	0.5		N.D.	0.2	0.5
n-Propylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Styrene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,1,2-Tetrachloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,2,2-Tetrachloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Tetrachloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Tetrahydrofuran	ug/l		N.D.	2.0	5.0		N.D.	2.0	5.0
Toluene	ug/l		N.D.	0.1	0.5	0.1 J	0.1	0.5	
1,2,3-Trichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2,4-Trichlorobenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,1-Trichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,1,2-Trichloroethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Trichloroethene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
Trichlorofluoromethane	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5
1,2,3-Trichloropropane	ug/l		N.D.	0.3	1.0		N.D.	0.3	1.0

** = This limit was used in the evaluation of the final result

1,2,4-Trimethylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
1,3,5-Trimethylbenzene	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
Vinyl Chloride	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
Xylene (Total)	ug/l		N.D.	0.1	0.5		N.D.	0.1	0.5	
Acenaphthene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055	
Acenaphthylene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055	
Anthracene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055	
Benzo(a)anthracene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055	
Benzo(a)pyrene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055	
Benzo(b)fluoranthene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055	
Benzo(g,h,i)perylene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055	
Benzo(k)fluoranthene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055	
Chrysene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055	
Dibenz(a,h)anthracene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055	
Fluoranthene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055	
Fluorene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055	
Indeno(1,2,3-cd)pyrene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055	
1-Methylnaphthalene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055	
2-Methylnaphthalene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055	
Naphthalene	ug/l		N.D.	0.031	0.052		N.D.	0.033	0.055	
Phenanthrene	ug/l		N.D.	0.031	0.052		N.D.	0.033	0.055	
Pyrene	ug/l		N.D.	0.010	0.052		N.D.	0.011	0.055	
Total Hardness as CaCO ₃	mg/l			14.5	0.064	0.20		14.5	0.064	0.20
Arsenic	mg/l			N.D.	0.0068	0.0200		N.D.	0.0068	0.0200
Barium	mg/l			0.0215	0.00033	0.0050		0.0204	0.00033	0.0050
Cadmium	mg/l			0.00043 J	0.00036	0.0050		0.00065 J	0.00036	0.0050
Calcium	mg/l			3.23	0.0640	0.200		3.26	0.0640	0.200
Chromium	mg/l			0.0013 J	0.0011	0.0150		N.D.	0.0011	0.0150
Lead	mg/l			N.D.	0.0051	0.0150		N.D.	0.0051	0.0150
Magnesium	mg/l			1.56	0.0606	0.100		1.53	0.0606	0.100
Nickel	mg/l			N.D.	0.0011	0.0100		N.D.	0.0011	0.0100
Selenium	mg/l			N.D.	0.0075	0.0200		N.D.	0.0075	0.0200
Silver	mg/l			N.D.	0.0012	0.0050		N.D.	0.0012	0.0050

** = This limit was used in the evaluation of the final result

Vanadium	mg/l	0.0016	J	0.0013	0.0050	N.D.	0.0013	0.0050	
Mercury	mg/l			N.D.	0.000070	0.00020	N.D.	0.000070	0.00020
HEM (oil & grease)	mg/l	1.5	J	1.4	5.0	N.D.	1.4	5.0	

Analysis Name	Units	7020049 WS- 008(SURFA CE)041113			7020050 WS-DUP4-041113					
		Result	MDL**	LOQ	Result	MDL**	LOQ			
Acetone	ug/l		N.D.	6.0	10	N.D.	3.0	5.0		
Allyl Chloride	ug/l		N.D.	0.2	1.0	N.D.	0.1	0.5		
Benzene	ug/l		30	0.2	1.0	N.D.	0.1	0.5		
Bromobenzene	ug/l		N.D.	0.2	1.0	N.D.	0.1	0.5		
Bromoform	ug/l		N.D.	0.2	1.0	N.D.	0.1	0.5		
Bromomethane	ug/l		N.D.	0.2	1.0	N.D.	0.1	0.5		
2-Butanone	ug/l		N.D.	2.0	10	N.D.	1.0	5.0		
n-Butylbenzene	ug/l			1.6	0.2	1.0	N.D.	0.1	0.5	
sec-Butylbenzene	ug/l			1.5	0.2	1.0	N.D.	0.1	0.5	
tert-Butylbenzene	ug/l			N.D.	0.2	1.0	N.D.	0.1	0.5	
Carbon Tetrachloride	ug/l			N.D.	0.2	1.0	N.D.	0.1	0.5	
Chlorobenzene	ug/l			N.D.	0.2	1.0	N.D.	0.1	0.5	
Chloroethane	ug/l			N.D.	0.2	1.0	N.D.	0.1	0.5	
Chloroform	ug/l			0.6	J	0.2	1.0	N.D.	0.1	0.5
Chloromethane	ug/l			1.6		0.4	1.0	N.D.	0.2	0.5
2-Chlorotoluene	ug/l			N.D.	0.2	1.0	N.D.	0.1	0.5	
4-Chlorotoluene	ug/l			N.D.	0.2	1.0	N.D.	0.1	0.5	
1,2-Dibromo-3-chloropropane	ug/l			N.D.	0.4	1.0	N.D.	0.2	0.5	
Dibromochloromethane	ug/l			N.D.	0.2	1.0	N.D.	0.1	0.5	
1,2-Dibromoethane	ug/l			N.D.	0.2	1.0	N.D.	0.1	0.5	
Dibromomethane	ug/l			N.D.	0.2	1.0	N.D.	0.1	0.5	
1,2-Dichlorobenzene	ug/l			N.D.	0.2	1.0	N.D.	0.1	0.5	

1,3-Dichlorobenzene	ug/l		N.D.	0.2	1.0		N.D.	0.1	0.5	
1,4-Dichlorobenzene	ug/l		N.D.	0.2	1.0		N.D.	0.1	0.5	
Dichlorodifluoromethane	ug/l		N.D.	0.2	1.0		N.D.	0.1	0.5	
1,1-Dichloroethane	ug/l		N.D.	0.2	1.0		N.D.	0.1	0.5	
1,2-Dichloroethane	ug/l		N.D.	0.2	1.0		N.D.	0.1	0.5	
1,1-Dichloroethene	ug/l		N.D.	0.2	1.0		N.D.	0.1	0.5	
cis-1,2-Dichloroethene	ug/l		N.D.	0.2	1.0		N.D.	0.1	0.5	
trans-1,2-Dichloroethene	ug/l		N.D.	0.2	1.0		N.D.	0.1	0.5	
Dichlorofluoromethane	ug/l		N.D.	0.4	1.0		N.D.	0.2	0.5	
1,2-Dichloropropane	ug/l		N.D.	0.2	1.0		N.D.	0.1	0.5	
1,3-Dichloropropane	ug/l		N.D.	0.2	1.0		N.D.	0.1	0.5	
2,2-Dichloropropane	ug/l		N.D.	0.2	1.0		N.D.	0.1	0.5	
1,1-Dichloropropene	ug/l		N.D.	0.2	1.0		N.D.	0.1	0.5	
cis-1,3-Dichloropropene	ug/l		N.D.	0.2	1.0		N.D.	0.1	0.5	
trans-1,3-Dichloropropene	ug/l		N.D.	0.2	1.0		N.D.	0.1	0.5	
Ethyl ether	ug/l		N.D.	0.2	1.0		N.D.	0.1	0.5	
Ethylbenzene	ug/l	18		0.2	1.0		N.D.	0.1	0.5	
Freon 113	ug/l		N.D.	0.4	1.0		N.D.	0.2	0.5	
Hexachlorobutadiene	ug/l		N.D.	0.2	1.0		N.D.	0.1	0.5	
Isopropylbenzene	ug/l			3.7	0.2	1.0		N.D.	0.1	0.5
p-Isopropyltoluene	ug/l			1.8	0.2	1.0		N.D.	0.1	0.5
Methyl Tertiary Butyl Ether	ug/l		N.D.	0.2	1.0		N.D.	0.1	0.5	
4-Methyl-2-Pentanone	ug/l		N.D.	2.0	10		N.D.	1.0	5.0	
Methylene Chloride	ug/l		N.D.	0.4	1.0		N.D.	0.2	0.5	
n-Propylbenzene	ug/l			5.3	0.2	1.0		N.D.	0.1	0.5
Styrene	ug/l		N.D.	0.2	1.0		N.D.	0.1	0.5	
1,1,1,2-Tetrachloroethane	ug/l		N.D.	0.2	1.0		N.D.	0.1	0.5	
1,1,2,2-Tetrachloroethane	ug/l		N.D.	0.2	1.0		N.D.	0.1	0.5	
Tetrachloroethene	ug/l		N.D.	0.2	1.0		N.D.	0.1	0.5	
Tetrahydrofuran	ug/l		N.D.	4.0	10		N.D.	2.0	5.0	
Toluene	ug/l	93		2.0	10		N.D.	0.1	0.5	
1,2,3-Trichlorobenzene	ug/l		N.D.	0.2	1.0		N.D.	0.1	0.5	
1,2,4-Trichlorobenzene	ug/l		N.D.	0.2	1.0		N.D.	0.1	0.5	

** = This limit was used in the evaluation of the final result

1,1,1-Trichloroethane	ug/l		N.D.	0.2	1.0		N.D.	0.1	0.5
1,1,2-Trichloroethane	ug/l		N.D.	0.2	1.0		N.D.	0.1	0.5
Trichloroethene	ug/l		N.D.	0.2	1.0		N.D.	0.1	0.5
Trichlorofluoromethane	ug/l		N.D.	0.2	1.0		N.D.	0.1	0.5
1,2,3-Trichloropropane	ug/l		N.D.	0.6	2.0		N.D.	0.3	1.0
1,2,4-Trimethylbenzene	ug/l		29	0.2	1.0		N.D.	0.1	0.5
1,3,5-Trimethylbenzene	ug/l		13	0.2	1.0		N.D.	0.1	0.5
Vinyl Chloride	ug/l		N.D.	0.2	1.0		N.D.	0.1	0.5
Xylene (Total)	ug/l		130	0.2	1.0		N.D.	0.1	0.5
Acenaphthene	ug/l		0.30	0.010	0.051		N.D.	0.010	0.052
Acenaphthylene	ug/l		0.22	0.010	0.051		N.D.	0.010	0.052
Anthracene	ug/l		0.24	0.010	0.051		N.D.	0.010	0.052
Benzo(a)anthracene	ug/l		0.31	0.010	0.051		N.D.	0.010	0.052
Benzo(a)pyrene	ug/l		0.23	0.010	0.051		N.D.	0.010	0.052
Benzo(b)fluoranthene	ug/l		0.52	0.010	0.051		N.D.	0.010	0.052
Benzo(g,h,i)perylene	ug/l		0.31	0.010	0.051		N.D.	0.010	0.052
Benzo(k)fluoranthene	ug/l		0.075	0.010	0.051		N.D.	0.010	0.052
Chrysene	ug/l		0.78	0.010	0.051		N.D.	0.010	0.052
Dibenz(a,h)anthracene	ug/l		0.060	0.010	0.051		N.D.	0.010	0.052
Fluoranthene	ug/l		0.21	0.010	0.051		N.D.	0.010	0.052
Fluorene	ug/l		0.93	0.010	0.051		N.D.	0.010	0.052
Indeno(1,2,3-cd)pyrene	ug/l		0.11	0.010	0.051		N.D.	0.010	0.052
1-Methylnaphthalene	ug/l		5.5	0.010	0.051		N.D.	0.010	0.052
2-Methylnaphthalene	ug/l		7.2	0.010	0.051		N.D.	0.010	0.052
Naphthalene	ug/l		2.4	0.030	0.051		N.D.	0.031	0.052
Phenanthrene	ug/l		1.8	0.030	0.051		N.D.	0.031	0.052
Pyrene	ug/l		0.82	0.010	0.051		N.D.	0.010	0.052
Total Hardness as CaCO ₃	mg/l		29.4	0.064	0.20		12.5	0.064	0.20
Arsenic	mg/l		0.0116 J	0.0068	0.0200		N.D.	0.0068	0.0200
Barium	mg/l		0.144	0.00033	0.0050		0.0182	0.00033	0.0050
Cadmium	mg/l		0.0010 J	0.00036	0.0050		0.00037 J	0.00036	0.0050
Calcium	mg/l		4.78	0.0640	0.200		2.67	0.0640	0.200
Chromium	mg/l		0.0308	0.0011	0.0150		N.D.	0.0011	0.0150

** = This limit was used in the evaluation of the final result

Lead	mg/l	0.0224	0.0051	0.0150	N.D.	0.0051	0.0150
Magnesium	mg/l	4.24	0.0606	0.100	1.41	0.0606	0.100
Nickel	mg/l	0.0223	0.0011	0.0100	N.D.	0.0011	0.0100
Selenium	mg/l	N.D.	0.0075	0.0200	N.D.	0.0075	0.0200
Silver	mg/l	N.D.	0.0012	0.0050	N.D.	0.0012	0.0050
Vanadium	mg/l	0.0264	0.0013	0.0050	N.D.	0.0013	0.0050
Mercury	mg/l	N.D.	0.000070	0.00020	N.D.	0.000070	0.00020
HEM (oil & grease)	mg/l	5.4	1.4	5.0	N.D.	1.4	5.0

7020051

WS-TB-07-

041113

Analysis Name	Units	Result	MDL**	LOQ
Acetone	ug/l	N.D.	3.0	5.0
Allyl Chloride	ug/l	N.D.	0.1	0.5
Benzene	ug/l	N.D.	0.1	0.5
Bromobenzene	ug/l	N.D.	0.1	0.5
Bromochloromethane	ug/l	N.D.	0.1	0.5
Bromodichloromethane	ug/l	N.D.	0.1	0.5
Bromoform	ug/l	N.D.	0.1	0.5
Bromomethane	ug/l	N.D.	0.1	0.5
2-Butanone	ug/l	N.D.	1.0	5.0
n-Butylbenzene	ug/l	N.D.	0.1	0.5
sec-Butylbenzene	ug/l	N.D.	0.1	0.5
tert-Butylbenzene	ug/l	N.D.	0.1	0.5
Carbon Tetrachloride	ug/l	N.D.	0.1	0.5
Chlorobenzene	ug/l	N.D.	0.1	0.5
Chloroethane	ug/l	N.D.	0.1	0.5
Chloroform	ug/l	N.D.	0.1	0.5
Chloromethane	ug/l	N.D.	0.2	0.5
2-Chlorotoluene	ug/l	N.D.	0.1	0.5
4-Chlorotoluene	ug/l	N.D.	0.1	0.5
1,2-Dibromo-3-chloropropane	ug/l	N.D.	0.2	0.5

Dibromochloromethane	ug/l	N.D.	0.1	0.5
1,2-Dibromoethane	ug/l	N.D.	0.1	0.5
Dibromomethane	ug/l	N.D.	0.1	0.5
1,2-Dichlorobenzene	ug/l	N.D.	0.1	0.5
1,3-Dichlorobenzene	ug/l	N.D.	0.1	0.5
1,4-Dichlorobenzene	ug/l	N.D.	0.1	0.5
Dichlorodifluoromethane	ug/l	N.D.	0.1	0.5
1,1-Dichloroethane	ug/l	N.D.	0.1	0.5
1,2-Dichloroethane	ug/l	N.D.	0.1	0.5
1,1-Dichloroethene	ug/l	N.D.	0.1	0.5
cis-1,2-Dichloroethene	ug/l	N.D.	0.1	0.5
trans-1,2-Dichloroethene	ug/l	N.D.	0.1	0.5
Dichlorofluoromethane	ug/l	N.D.	0.2	0.5
1,2-Dichloropropane	ug/l	N.D.	0.1	0.5
1,3-Dichloropropane	ug/l	N.D.	0.1	0.5
2,2-Dichloropropane	ug/l	N.D.	0.1	0.5
1,1-Dichloropropene	ug/l	N.D.	0.1	0.5
cis-1,3-Dichloropropene	ug/l	N.D.	0.1	0.5
trans-1,3-Dichloropropene	ug/l	N.D.	0.1	0.5
Ethyl ether	ug/l	N.D.	0.1	0.5
Ethylbenzene	ug/l	N.D.	0.1	0.5
Freon 113	ug/l	N.D.	0.2	0.5
Hexachlorobutadiene	ug/l	N.D.	0.1	0.5
Isopropylbenzene	ug/l	N.D.	0.1	0.5
p-Isopropyltoluene	ug/l	N.D.	0.1	0.5
Methyl Tertiary Butyl Ether	ug/l	N.D.	0.1	0.5
4-Methyl-2-Pentanone	ug/l	N.D.	1.0	5.0
Methylene Chloride	ug/l	N.D.	0.2	0.5
n-Propylbenzene	ug/l	N.D.	0.1	0.5
Styrene	ug/l	N.D.	0.1	0.5
1,1,1,2-Tetrachloroethane	ug/l	N.D.	0.1	0.5
1,1,2,2-Tetrachloroethane	ug/l	N.D.	0.1	0.5
Tetrachloroethene	ug/l	N.D.	0.1	0.5

** = This limit was used in the evaluation of the final result

Tetrahydrofuran	ug/l	N.D.	2.0	5.0
Toluene	ug/l	N.D.	0.1	0.5
1,2,3-Trichlorobenzene	ug/l	N.D.	0.1	0.5
1,2,4-Trichlorobenzene	ug/l	N.D.	0.1	0.5
1,1,1-Trichloroethane	ug/l	N.D.	0.1	0.5
1,1,2-Trichloroethane	ug/l	N.D.	0.1	0.5
Trichloroethene	ug/l	N.D.	0.1	0.5
Trichlorofluoromethane	ug/l	N.D.	0.1	0.5
1,2,3-Trichloropropane	ug/l	N.D.	0.3	1.0
1,2,4-Trimethylbenzene	ug/l	N.D.	0.1	0.5
1,3,5-Trimethylbenzene	ug/l	N.D.	0.1	0.5
Vinyl Chloride	ug/l	N.D.	0.1	0.5
Xylene (Total)	ug/l	N.D.	0.1	0.5
Acenaphthene	ug/l	n.a.	n.a.	
Acenaphthylene	ug/l	n.a.	n.a.	
Anthracene	ug/l	n.a.	n.a.	
Benzo(a)anthracene	ug/l	n.a.	n.a.	
Benzo(a)pyrene	ug/l	n.a.	n.a.	
Benzo(b)fluoranthene	ug/l	n.a.	n.a.	
Benzo(g,h,i)perylene	ug/l	n.a.	n.a.	
Benzo(k)fluoranthene	ug/l	n.a.	n.a.	
Chrysene	ug/l	n.a.	n.a.	
Dibenz(a,h)anthracene	ug/l	n.a.	n.a.	
Fluoranthene	ug/l	n.a.	n.a.	
Fluorene	ug/l	n.a.	n.a.	
Indeno(1,2,3-cd)pyrene	ug/l	n.a.	n.a.	
1-Methylnaphthalene	ug/l	n.a.	n.a.	
2-Methylnaphthalene	ug/l	n.a.	n.a.	
Naphthalene	ug/l	n.a.	n.a.	
Phenanthrene	ug/l	n.a.	n.a.	
Pyrene	ug/l	n.a.	n.a.	
Total Hardness as CaCO ₃	mg/l	n.a.	n.a.	
Arsenic	mg/l	n.a.	n.a.	

** = This limit was used in the evaluation of the final result

Barium	mg/l	n.a.	n.a.
Cadmium	mg/l	n.a.	n.a.
Calcium	mg/l	n.a.	n.a.
Chromium	mg/l	n.a.	n.a.
Lead	mg/l	n.a.	n.a.
Magnesium	mg/l	n.a.	n.a.
Nickel	mg/l	n.a.	n.a.
Selenium	mg/l	n.a.	n.a.
Silver	mg/l	n.a.	n.a.
Vanadium	mg/l	n.a.	n.a.
Mercury	mg/l	n.a.	n.a.
HEM (oil & grease)	mg/l	n.a.	n.a.

CAT No.	Analysis Name	Method	Trial ID	Batch	Analysis Date/Time	Analyst	Dilution
7020037 WS-003(SURFACE)041113 Grab Surface Water							
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1	G131021AA	4/12/13 1553	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G131021AA	4/12/13 1553	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13102WAE026	4/13/13 0410	Mark A Clark	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13102WAE026	4/12/13 1330	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131036256001	4/13/13 0646	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131021848001	4/13/13 0342	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1	131021848001	4/13/13 0342	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	131021848001	4/13/13 0342	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1	131021848001	4/13/13 0342	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	131021848001	4/13/13 0342	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	131021848001	4/13/13 0342	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1	131021848001	4/13/13 0342	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	131021848001	4/13/13 0342	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	131021848001	4/13/13 0342	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	131021848001	4/13/13 0342	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	131021848001	4/13/13 0342	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	131025713001	4/13/13 0816	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131021848001	4/12/13 1230	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131025713001	4/12/13 1630	Nelli S Markaryan	1
08079	HEM (oil & grease)	EPA 1664A	1	13102807901A	4/12/13 1724	Michelle L Lalli	1

7020038 WS-002(SURFACE)041113 Grab Surface Water

02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1 G131021AA	4/12/13 1658	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1 G131021AA	4/12/13 1658	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1 13102WAE026	4/13/13 0438	Mark A Clark	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1 13102WAE026	4/12/13 1330	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1 131036256001	4/13/13 0646	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1 131021848001	4/13/13 0232	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1 131021848001	4/13/13 0232	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1 131021848001	4/13/13 0232	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1 131021848001	4/13/13 0232	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1 131021848001	4/13/13 0232	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1 131021848001	4/13/13 0232	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1 131021848001	4/13/13 0232	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1 131021848001	4/13/13 0232	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1 131021848001	4/13/13 0232	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1 131021848001	4/13/13 0232	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1 131021848001	4/13/13 0232	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1 131025713001	4/13/13 0740	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1 131021848001	4/12/13 1230	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1 131025713001	4/12/13 1630	Nelli S Markaryan	1
08079	HEM (oil & grease)	EPA 1664A	1 13102807901A	4/12/13 1724	Michelle L Lalli	1
7020039 WS-BKG-001(SURFACE)041113 Grab Surface Water						
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1 G131021AA	4/12/13 1720	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1 G131021AA	4/12/13 1720	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1 13102WAE026	4/13/13 0505	Mark A Clark	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1 13102WAE026	4/12/13 1330	David S Schrum	1

06256	Total Hardness as CaCO3	SM 2340 B-1997	1 131036256001	4/13/13 0646	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1 131021848001	4/13/13 0245	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1 131021848001	4/13/13 0245	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1 131021848001	4/13/13 0245	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1 131021848001	4/13/13 0245	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1 131021848001	4/13/13 0245	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1 131021848001	4/13/13 0245	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1 131021848001	4/13/13 0245	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1 131021848001	4/13/13 0245	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1 131021848001	4/13/13 0245	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1 131021848001	4/13/13 0245	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1 131021848001	4/13/13 0245	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1 131025713001	4/13/13 0748	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1 131021848001	4/12/13 1230	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1 131025713001	4/12/13 1630	Nelli S Markaryan	1
08079	HEM (oil & grease)	EPA 1664A	1 13102807901A	4/12/13 1724	Michelle L Lalli	1
7020040 WS-005(SURFACE)041113 Grab Surface Water						
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1 G131021AA	4/12/13 1741	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1 G131021AA	4/12/13 1741	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1 13102WAE026	4/13/13 0533	Mark A Clark	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1 13102WAE026	4/12/13 1330	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1 131036256001	4/13/13 0646	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1 131021848001	4/13/13 0249	John W Yanzuk II	1

07046	Barium	SW-846 6010B	1 131021848001	4/13/13 0249	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1 131021848001	4/13/13 0249	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1 131021848001	4/13/13 0249	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1 131021848001	4/13/13 0249	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1 131021848001	4/13/13 0249	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1 131021848001	4/13/13 0249	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1 131021848001	4/13/13 0249	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1 131021848001	4/13/13 0249	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1 131021848001	4/13/13 0249	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1 131021848001	4/13/13 0249	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1 131025713001	4/13/13 0750	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1 131021848001	4/12/13 1230	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1 131025713001	4/12/13 1630	Nelli S Markaryan	1
08079	HEM (oil & grease)	EPA 1664A	1 13102807901A	4/12/13 1724	Michelle L Lalli	1
7020041 WS-001(SURFACE)041113 Grab Surface Water						
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1 G131021AA	4/12/13 1803	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1 G131021AA	4/12/13 1803	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1 13102WAE026	4/13/13 0600	Mark A Clark	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1 13102WAE026	4/12/13 1330	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1 131036256001	4/13/13 0646	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1 131021848001	4/13/13 0254	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1 131021848001	4/13/13 0254	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1 131021848001	4/13/13 0254	John W Yanzuk II	1

01750	Calcium	SW-846 6010B	1 131021848001	4/13/13 0254	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1 131021848001	4/13/13 0254	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1 131021848001	4/13/13 0254	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1 131021848001	4/13/13 0254	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1 131021848001	4/13/13 0254	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1 131021848001	4/13/13 0254	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1 131021848001	4/13/13 0254	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1 131021848001	4/13/13 0254	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1 131025713001	4/13/13 0752	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1 131021848001	4/12/13 1230	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1 131025713001	4/12/13 1630	Nelli S Markaryan	1
08079	HEM (oil & grease)	EPA 1664A	1 13102807901A	4/12/13 1724	Michelle L Lalli	1
7020042 WS-001(0.5-1.0)041113 Grab Surface Water						
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1 G131021AA	4/12/13 1825	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1 G131021AA	4/12/13 1825	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1 13102WAE026	4/13/13 0628	Mark A Clark	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1 13102WAE026	4/12/13 1330	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1 131036256001	4/13/13 0646	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1 131021848001	4/13/13 0258	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1 131021848001	4/13/13 0258	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1 131021848001	4/13/13 0258	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1 131021848001	4/13/13 0258	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1 131021848001	4/13/13 0258	John W Yanzuk II	1

07055	Lead	SW-846 6010B	1 131021848001	4/13/13 0258	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1 131021848001	4/13/13 0258	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1 131021848001	4/13/13 0258	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1 131021848001	4/13/13 0258	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1 131021848001	4/13/13 0258	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1 131021848001	4/13/13 0258	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1 131025713001	4/13/13 0754	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1 131021848001	4/12/13 1230	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1 131025713001	4/12/13 1630	Nelli S Markaryan	1
08079	HEM (oil & grease)	EPA 1664A	1 13102807901A	4/12/13 1724	Michelle L Lalli	1
7020043 WS-004(SURFACE)041113 Grab Surface Water						
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1 G131021AA	4/12/13 1847	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1 G131021AA	4/12/13 1847	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1 13102WAE026	4/13/13 0655	Mark A Clark	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1 13102WAE026	4/12/13 1330	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1 131036256001	4/13/13 0646	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1 131021848001	4/13/13 0201	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1 131021848001	4/13/13 0201	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1 131021848001	4/13/13 0201	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1 131021848001	4/13/13 0201	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1 131021848001	4/13/13 0201	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1 131021848001	4/13/13 0201	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1 131021848001	4/13/13 0201	John W Yanzuk II	1

07061	Nickel	SW-846 6010B	1 131021848001	4/13/13 0201	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1 131021848001	4/13/13 0201	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1 131021848001	4/13/13 0201	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1 131021848001	4/13/13 0201	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1 131025713001	4/13/13 0800	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1 131021848001	4/12/13 1230	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1 131025713001	4/12/13 1630	Nelli S Markaryan	1
08079	HEM (oil & grease)	EPA 1664A	1 13102807901A	4/12/13 1724	Michelle L Lalli	1
7020044 WS-004(0.5-1.0)041113 Grab Surface Water						
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1 G131021AA	4/12/13 1908	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1 G131021AA	4/12/13 1908	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1 13102WAE026	4/13/13 0723	Mark A Clark	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1 13102WAE026	4/12/13 1330	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1 131036256001	4/13/13 0646	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1 131021848001	4/13/13 0302	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1 131021848001	4/13/13 0302	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1 131021848001	4/13/13 0302	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1 131021848001	4/13/13 0302	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1 131021848001	4/13/13 0302	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1 131021848001	4/13/13 0302	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1 131021848001	4/13/13 0302	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1 131021848001	4/13/13 0302	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1 131021848001	4/13/13 0302	John W Yanzuk II	1

07066	Silver	SW-846 6010B	1 131021848001	4/13/13 0302	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1 131021848001	4/13/13 0302	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1 131025713001	4/13/13 0802	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1 131021848001	4/12/13 1230	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1 131025713001	4/12/13 1630	Nelli S Markaryan	1
08079	HEM (oil & grease)	EPA 1664A	1 13102807901A	4/12/13 1724	Michelle L Lalli	1
7020045 WS-007(SURFACE)041113 Grab Surface Water						
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1 G131021AA	4/12/13 1930	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1 G131021AA	4/12/13 1930	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1 13102WAE026	4/13/13 0750	Mark A Clark	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1 13102WAE026	4/12/13 1330	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1 131036256001	4/13/13 0646	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1 131021848001	4/13/13 0307	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1 131021848001	4/13/13 0307	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1 131021848001	4/13/13 0307	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1 131021848001	4/13/13 0307	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1 131021848001	4/13/13 0307	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1 131021848001	4/13/13 0307	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1 131021848001	4/13/13 0307	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1 131021848001	4/13/13 0307	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1 131021848001	4/13/13 0307	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1 131021848001	4/13/13 0307	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1 131021848001	4/13/13 0307	John W Yanzuk II	1

00259	Mercury	SW-846 7470A	1 131025713001	4/13/13 0804	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1 131021848001	4/12/13 1230	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1 131025713001	4/12/13 1630	Nelli S Markaryan	1
08079	HEM (oil & grease)	EPA 1664A	1 13102807901A	4/12/13 1724	Michelle L Lalli	1
7020046 WS-007(0.5-1.0)041113 Grab Surface Water						
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1 G131021AA	4/12/13 1951	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1 G131021AA	4/12/13 1951	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1 13102WAE026	4/13/13 0818	Mark A Clark	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1 13102WAE026	4/12/13 1330	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1 131036256001	4/13/13 0646	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1 131021848001	4/13/13 0311	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1 131021848001	4/13/13 0311	John W Yanzuk	1
07049	Cadmium	SW-846 6010B	1 131021848001	4/13/13 0311	John W Yanzuk	1
01750	Calcium	SW-846 6010B	1 131021848001	4/13/13 0311	John W Yanzuk	1
07051	Chromium	SW-846 6010B	1 131021848001	4/13/13 0311	John W Yanzuk	1
07055	Lead	SW-846 6010B	1 131021848001	4/13/13 0311	John W Yanzuk	1
01757	Magnesium	SW-846 6010B	1 131021848001	4/13/13 0311	John W Yanzuk	1
07061	Nickel	SW-846 6010B	1 131021848001	4/13/13 0311	John W Yanzuk	1
07036	Selenium	SW-846 6010B	1 131021848001	4/13/13 0311	John W Yanzuk	1
07066	Silver	SW-846 6010B	1 131021848001	4/13/13 0311	John W Yanzuk	1
07071	Vanadium	SW-846 6010B	1 131021848001	4/13/13 0311	John W Yanzuk	1
00259	Mercury	SW-846 7470A	1 131025713001	4/13/13 0806	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1 131021848001	4/12/13 1230	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1 131025713001	4/12/13 1630	Nelli S Markaryan	1

08079	HEM (oil & grease)	EPA 1664A	1 13102807901A	4/12/13 1724	Michelle L Lalli	1
7020047 WS-006(SURFACE)041113 Grab Surface Water						
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1 G131021AA	4/12/13 2014	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1 G131021AA	4/12/13 2014	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1 13102WAE026	4/13/13 0845	Mark A Clark	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1 13102WAE026	4/12/13 1330	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1 131036256001	4/13/13 0646	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1 131021848001	4/13/13 0316	John W Yanzuk	1
				II		
07046	Barium	SW-846 6010B	1 131021848001	4/13/13 0316	John W Yanzuk	1
				II		
07049	Cadmium	SW-846 6010B	1 131021848001	4/13/13 0316	John W Yanzuk	1
				II		
01750	Calcium	SW-846 6010B	1 131021848001	4/13/13 0316	John W Yanzuk	1
				II		
07051	Chromium	SW-846 6010B	1 131021848001	4/13/13 0316	John W Yanzuk	1
				II		
07055	Lead	SW-846 6010B	1 131021848001	4/13/13 0316	John W Yanzuk	1
				II		
01757	Magnesium	SW-846 6010B	1 131021848001	4/13/13 0316	John W Yanzuk	1
				II		
07061	Nickel	SW-846 6010B	1 131021848001	4/13/13 0316	John W Yanzuk	1
				II		
07036	Selenium	SW-846 6010B	1 131021848001	4/13/13 0316	John W Yanzuk	1
				II		
07066	Silver	SW-846 6010B	1 131021848001	4/13/13 0316	John W Yanzuk	1
				II		
07071	Vanadium	SW-846 6010B	1 131021848001	4/13/13 0316	John W Yanzuk	1
				II		
00259	Mercury	SW-846 7470A	1 131025713001	4/13/13 0808	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1 131021848001	4/12/13 1230	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1 131025713001	4/12/13 1630	Nelli S Markaryan	1
08079	HEM (oil & grease)	EPA 1664A	1 13102807901A	4/12/13 1724	Michelle L Lalli	1
7020048 WS-006(0.5-1.0)041113 Grab Surface Water						
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1 G131021AA	4/12/13 2035	Jason M Long	1

01163	GC/MS VOA Water Prep	SW-846 5030B	1 G131021AA	4/12/13 2035	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1 13102WAE026	4/13/13 0913	Mark A Clark	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1 13102WAE026	4/12/13 1330	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1 131036256001	4/13/13 0646	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1 131021848001	4/13/13 0320	John W Yanzuk	1
				II		
07046	Barium	SW-846 6010B	1 131021848001	4/13/13 0320	John W Yanzuk	1
				II		
07049	Cadmium	SW-846 6010B	1 131021848001	4/13/13 0320	John W Yanzuk	1
				II		
01750	Calcium	SW-846 6010B	1 131021848001	4/13/13 0320	John W Yanzuk	1
				II		
07051	Chromium	SW-846 6010B	1 131021848001	4/13/13 0320	John W Yanzuk	1
				II		
07055	Lead	SW-846 6010B	1 131021848001	4/13/13 0320	John W Yanzuk	1
				II		
01757	Magnesium	SW-846 6010B	1 131021848001	4/13/13 0320	John W Yanzuk	1
				II		
07061	Nickel	SW-846 6010B	1 131021848001	4/13/13 0320	John W Yanzuk	1
				II		
07036	Selenium	SW-846 6010B	1 131021848001	4/13/13 0320	John W Yanzuk	1
				II		
07066	Silver	SW-846 6010B	1 131021848001	4/13/13 0320	John W Yanzuk	1
				II		
07071	Vanadium	SW-846 6010B	1 131021848001	4/13/13 0320	John W Yanzuk	1
				II		
00259	Mercury	SW-846 7470A	1 131025713001	4/13/13 0810	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1 131021848001	4/12/13 1230	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1 131025713001	4/12/13 1630	Nelli S Markaryan	1
08079	HEM (oil & grease)	EPA 1664A	1 13102807901A	4/12/13 1724	Michelle L Lalli	1
7020049 WS-008(SURFACE)041113 Grab Surface Water						
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1 G131021AA	4/12/13 2119	Jason M Long	2
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1 G131021AA	4/12/13 2140	Jason M Long	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1 G131021AA	4/12/13 2119	Jason M Long	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2 G131021AA	4/12/13 2140	Jason M Long	20
08357	PAHs in waters by SIM	SW-846 8270C SIM	1 13102WAE026	4/13/13 0940	Mark A Clark	1

10470	BNA Water Extraction (SIM)	SW-846 3510C	1 13102WAE026	4/12/13 1330	David S Schrum	1
06256	Total Hardness as CaCO ₃	SM 2340 B-1997	1 131036256001	4/13/13 0646	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1 131021848001	4/13/13 0325	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1 131021848001	4/13/13 0325	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1 131021848001	4/13/13 0325	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1 131021848001	4/13/13 0325	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1 131021848001	4/13/13 0325	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1 131021848001	4/13/13 0325	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1 131021848001	4/13/13 0325	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1 131021848001	4/13/13 0325	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1 131021848001	4/13/13 0325	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1 131021848001	4/13/13 0325	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1 131021848001	4/13/13 0325	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1 131025713001	4/13/13 0812	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1 131021848001	4/12/13 1230	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1 131025713001	4/12/13 1630	Nelli S Markaryan	1
08079	HEM (oil & grease)	EPA 1664A	1 13102807901A	4/12/13 1724	Michelle L Lalli	1
7020050 WS-DUP4-041113 Grab Surface Water						
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1 G131021AA	4/12/13 2057	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1 G131021AA	4/12/13 2057	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1 13102WAE026	4/13/13 1008	Mark A Clark	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1 13102WAE026	4/12/13 1330	David S Schrum	1
06256	Total Hardness as CaCO ₃	SM 2340 B-1997	1 131036256001	4/13/13 0646	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1 131021848001	4/13/13 0338	John W Yanzuk II	1

07046	Barium	SW-846 6010B	1 131021848001	4/13/13 0338	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1 131021848001	4/13/13 0338	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1 131021848001	4/13/13 0338	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1 131021848001	4/13/13 0338	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1 131021848001	4/13/13 0338	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1 131021848001	4/13/13 0338	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1 131021848001	4/13/13 0338	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1 131021848001	4/13/13 0338	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1 131021848001	4/13/13 0338	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1 131021848001	4/13/13 0338	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1 131025713001	4/13/13 0814	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1 131021848001	4/12/13 1230	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1 131025713001	4/12/13 1630	Nelli S Markaryan	1
08079	HEM (oil & grease)	EPA 1664A	1 13102807901A	4/12/13 1724	Michelle L Lalli	1
7020051 WS-TB-07-041113 Water						
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1 G131021AA	4/12/13 1532	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1 G131021AA	4/12/13 1532	Jason M Long	1

Client Name: ExxonMobil

Group Number: 1382445

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	Max RPD
Batch number: G131021AA		Sample number(s): 7020037-7020051							
Acetone	N.D.	3.0		5.0 ug/l	113	73-135			
Allyl Chloride	N.D.	0.1		0.5 ug/l	130	61-130			
Benzene	N.D.	0.1		0.5 ug/l	105	80-120			
Bromobenzene	N.D.	0.1		0.5 ug/l	108	80-120			
Bromoform	N.D.	0.1		0.5 ug/l	118	80-125			
Bromochloromethane	N.D.	0.1		0.5 ug/l	106	80-120			
Bromodichloromethane	N.D.	0.1		0.5 ug/l	100	63-132			
Bromomethane	N.D.	0.1		0.5 ug/l	106	38-146			
2-Butanone	N.D.	1.0		5.0 ug/l	109	70-130			
n-Butylbenzene	N.D.	0.1		0.5 ug/l	109	80-120			
sec-Butylbenzene	N.D.	0.1		0.5 ug/l	109	80-120			
tert-Butylbenzene	N.D.	0.1		0.5 ug/l	106	80-120			
Carbon Tetrachloride	N.D.	0.1		0.5 ug/l	111	74-133			
Chlorobenzene	N.D.	0.1		0.5 ug/l	111	80-120			
Chloroethane	N.D.	0.1		0.5 ug/l	105	67-124			
Chloroform	N.D.	0.1		0.5 ug/l	109	80-120			
Chloromethane	N.D.	0.2		0.5 ug/l	100	55-135			
2-Chlorotoluene	N.D.	0.1		0.5 ug/l	108	80-120			
4-Chlorotoluene	N.D.	0.1		0.5 ug/l	110	80-120			
1,2-Dibromo-3-chloropropane	N.D.	0.2		0.5 ug/l	101	57-141			
Dibromochloromethane	N.D.	0.1		0.5 ug/l	110	80-126			
1,2-Dibromoethane	N.D.	0.1		0.5 ug/l	110	80-120			
Dibromomethane	N.D.	0.1		0.5 ug/l	110	80-120			
1,2-Dichlorobenzene	N.D.	0.1		0.5 ug/l	110	80-120			
1,3-Dichlorobenzene	N.D.	0.1		0.5 ug/l	110	80-120			
1,4-Dichlorobenzene	N.D.	0.1		0.5 ug/l	108	80-112			
Dichlorodifluoromethane	N.D.	0.1		0.5 ug/l	97	39-120			
1,1-Dichloroethane	N.D.	0.1		0.5 ug/l	109	80-120			

* - Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

** = This limit was used in the evaluation of the final result

1,2-Dichloroethane	N.D.	0.1	0.5	ug/l	109	80-127
1,1-Dichloroethene	N.D.	0.1	0.5	ug/l	113	80-123
cis-1,2-Dichloroethene	N.D.	0.1	0.5	ug/l	112	80-120
trans-1,2-Dichloroethene	N.D.	0.1	0.5	ug/l	111	80-120
Dichlorofluoromethane	N.D.	0.2	0.5	ug/l	118	63-149
1,2-Dichloropropane	N.D.	0.1	0.5	ug/l	113	80-120
1,3-Dichloropropane	N.D.	0.1	0.5	ug/l	110	80-120
2,2-Dichloropropane	N.D.	0.1	0.5	ug/l	105	75-122
1,1-Dichloropropene	N.D.	0.1	0.5	ug/l	107	80-121
cis-1,3-Dichloropropene	N.D.	0.1	0.5	ug/l	109	74-120
trans-1,3-Dichloropropene	N.D.	0.1	0.5	ug/l	102	73-126
Ethyl ether	N.D.	0.1	0.5	ug/l	107	59-130
Ethylbenzene	N.D.	0.1	0.5	ug/l	110	80-120
Freon 113	N.D.	0.2	0.5	ug/l	102	78-132
Hexachlorobutadiene	N.D.	0.1	0.5	ug/l	103	61-125
Isopropylbenzene	N.D.	0.1	0.5	ug/l	110	80-120
p-Isopropyltoluene	N.D.	0.1	0.5	ug/l	109	80-120
Methyl Tertiary Butyl Ether	N.D.	0.1	0.5	ug/l	111	80-125
4-Methyl-2-Pentanone	N.D.	1.0	5.0	ug/l	109	69-135
Methylene Chloride	N.D.	0.2	0.5	ug/l	112	80-120
n-Propylbenzene	N.D.	0.1	0.5	ug/l	110	80-120
Styrene	N.D.	0.1	0.5	ug/l	114	80-120
1,1,1,2-Tetrachloroethane	N.D.	0.1	0.5	ug/l	111	80-120
1,1,2,2-Tetrachloroethane	N.D.	0.1	0.5	ug/l	109	80-125
Tetrachloroethene	N.D.	0.1	0.5	ug/l	108	80-120
Tetrahydrofuran	N.D.	2.0	5.0	ug/l	114	65-131
Toluene	N.D.	0.1	0.5	ug/l	111	80-120
1,2,3-Trichlorobenzene	N.D.	0.1	0.5	ug/l	106	63-120
1,2,4-Trichlorobenzene	N.D.	0.1	0.5	ug/l	107	70-120
1,1,1-Trichloroethane	N.D.	0.1	0.5	ug/l	107	79-127
1,1,2-Trichloroethane	N.D.	0.1	0.5	ug/l	112	80-120
Trichloroethene	N.D.	0.1	0.5	ug/l	111	80-120
Trichlorofluoromethane	N.D.	0.1	0.5	ug/l	103	77-132
1,2,3-Trichloropropane	N.D.	0.3	1.0	ug/l	110	80-120
1,2,4-Trimethylbenzene	N.D.	0.1	0.5	ug/l	110	80-120
1,3,5-Trimethylbenzene	N.D.	0.1	0.5	ug/l	110	80-120
Vinyl Chloride	N.D.	0.1	0.5	ug/l	105	65-127
Xylene (Total)	N.D.	0.1	0.5	ug/l	111	80-120

Batch number: 13102WAE026

Sample number(s): 7020037-7020050

* - Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

** = This limit was used in the evaluation of the final result

Acenaphthene	N.D.	0.010	0.050	ug/l	97	100	65-124	2	30
Acenaphthylene	N.D.	0.010	0.050	ug/l	100	102	72-113	2	30
Anthracene	N.D.	0.010	0.050	ug/l	100	102	70-117	2	30
Benzo(a)anthracene	N.D.	0.010	0.050	ug/l	103	104	75-115	1	30
Benzo(a)pyrene	N.D.	0.010	0.050	ug/l	98	102	72-120	4	30
Benzo(b)fluoranthene	N.D.	0.010	0.050	ug/l	106	107	74-130	1	30
Benzo(g,h,i)perylene	N.D.	0.010	0.050	ug/l	90	91	63-121	0	30
Benzo(k)fluoranthene	N.D.	0.010	0.050	ug/l	101	105	74-118	4	30
Chrysene	N.D.	0.010	0.050	ug/l	98	100	75-112	3	30
Dibenz(a,h)anthracene	N.D.	0.010	0.050	ug/l	85	89	66-122	5	30
Fluoranthene	N.D.	0.010	0.050	ug/l	107	110	73-116	2	30
Fluorene	N.D.	0.010	0.050	ug/l	98	99	74-115	2	30
Indeno(1,2,3-cd)pyrene	N.D.	0.010	0.050	ug/l	92	93	66-122	2	30
1-Methylnaphthalene	N.D.	0.010	0.050	ug/l	100	103	72-114	2	30
2-Methylnaphthalene	N.D.	0.010	0.050	ug/l	105	107	74-119	2	30
Naphthalene	N.D.	0.030	0.050	ug/l	98	100	67-118	2	30
Phenanthrene	N.D.	0.030	0.050	ug/l	96	97	72-109	1	30
Pyrene	N.D.	0.010	0.050	ug/l	102	101	71-116	1	30

Batch number: 131021848001

Sample number(s): 7020037-7020050

Arsenic	N.D.	0.0068	0.0200	mg/l	101	80-120
Barium	N.D.	0.00033	0.0050	mg/l	103	80-120
Cadmium	0.00046 J	0.00036	0.0050	mg/l	105	80-120
Calcium	N.D.	0.0640	0.200	mg/l	103	80-120
Chromium	N.D.	0.0011	0.0150	mg/l	100	80-120
Lead	N.D.	0.0051	0.0150	mg/l	104	80-120
Magnesium	N.D.	0.0606	0.100	mg/l	100	80-120
Nickel	N.D.	0.0011	0.0100	mg/l	107	80-120
Selenium	N.D.	0.0075	0.0200	mg/l	99	80-120
Silver	N.D.	0.0012	0.0050	mg/l	93	80-120
Vanadium	N.D.	0.0013	0.0050	mg/l	101	80-120

Batch number: 131025713001

Sample number(s): 7020037-7020050

Mercury	N.D.	0.000070	0.00020	mg/l	95	80-120
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* - Outside of specification

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(2) The unspiked result was more than four times the spike added.

** = This limit was used in the evaluation of the final result

Batch number: 13102807901A

Sample number(s): 7020037-7020050

HEM (oil & grease)	1.8 J	1.4	5.0 mg/l	95	96	78-114	1	16
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Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	DUP Max
Batch number: G131021AA		Sample number(s): 7020037-7020051 UNSPK: 7020037							
Acetone	110	104	57-163	6		30			
Allyl Chloride	133	134	67-139	1		30			
Benzene	106	109	87-126	2		30			
Bromobenzene	108	110	80-123	2		30			
Bromochloromethane	115	117	82-125	2		30			
Bromodichloromethane	101	105	82-133	4		30			
Bromoform	92	96	60-138	5		30			
Bromomethane	100	100	41-145	0		30			
2-Butanone	104	101	63-146	3		30			
n-Butylbenzene	111	114	83-131	3		30			
sec-Butylbenzene	113	114	84-128	1		30			
tert-Butylbenzene	110	114	84-135	4		30			
Carbon Tetrachloride	112	115	81-148	3		30			
Chlorobenzene	111	112	78-133	1		30			
Chloroethane	101	102	70-139	1		30			
Chloroform	107	110	86-136	2		30			
Chloromethane	88	89	55-152	1		30			
2-Chlorotoluene	109	111	81-120	2		30			
4-Chlorotoluene	108	112	82-119	4		30			
1,2-Dibromo-3-chloropropane	92	91	43-143	1		30			
Dibromochloromethane	100	106	79-125	5		30			
1,2-Dibromoethane	105	106	84-127	1		30			
Dibromomethane	103	107	83-126	4		30			
1,2-Dichlorobenzene	106	110	83-117	3		30			

* - Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

** = This limit was used in the evaluation of the final result

1,3-Dichlorobenzene	109	112	81-118	2	30
1,4-Dichlorobenzene	106	110	79-120	4	30
Dichlorodifluoromethane	82	77	28-136	7	30
1,1-Dichloroethane	109	112	88-136	2	30
1,2-Dichloroethane	105	108	82-135	3	30
1,1-Dichloroethene	120	120	83-150	0	30
cis-1,2-Dichloroethene	111	113	82-129	2	30
trans-1,2-Dichloroethene	114	114	88-127	0	30
Dichlorofluoromethane	118	120	59-176	2	30
1,2-Dichloropropane	112	115	91-126	3	30
1,3-Dichloropropane	108	109	80-127	1	30
2,2-Dichloropropane	105	109	80-134	4	30
1,1-Dichloropropene	113	114	86-139	1	30
cis-1,3-Dichloropropene	106	110	74-132	4	30
trans-1,3-Dichloropropene	98	101	71-128	3	30
Ethyl ether	101	105	67-127	4	30
Ethylbenzene	111	113	80-140	1	30
Freon 113	110	105	87-158	5	30
Hexachlorobutadiene	106	107	65-128	1	30
Isopropylbenzene	112	114	81-133	1	30
p-Isopropyltoluene	112	114	84-124	1	30
Methyl Tertiary Butyl Ether	104	105	82-132	1	30
4-Methyl-2-Pentanone	101	104	69-149	2	30
Methylene Chloride	110	114	84-122	3	30
n-Propylbenzene	113	115	79-131	2	30
Styrene	113	114	63-151	1	30
1,1,1,2-Tetrachloroethane	104	110	87-126	5	30
1,1,2,2-Tetrachloroethane	106	107	75-131	2	30
Tetrachloroethene	109	110	75-129	1	30
Tetrahydrofuran	105	101	56-154	4	30
Toluene	112	114	83-127	2	30
1,2,3-Trichlorobenzene	103	106	73-125	2	30
1,2,4-Trichlorobenzene	103	108	77-120	4	30
1,1,1-Trichloroethane	109	112	85-140	2	30
1,1,2-Trichloroethane	109	112	85-129	2	30
Trichloroethene	113	116	85-131	2	30
Trichlorofluoromethane	102	101	67-161	1	30
1,2,3-Trichloropropane	105	111	76-120	6	30
1,2,4-Trimethylbenzene	110	112	87-126	2	30
1,3,5-Trimethylbenzene	111	114	89-129	3	30

* - Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

** = This limit was used in the evaluation of the final result

Vinyl Chloride	100	100	65-151	0	30
Xylene (Total)	112	114	81-137	2	30

Batch number: 131021848001

Sample number(s): 7020037-7020050 UNSPK: 7020043 BKG: 7020043

Arsenic	103	102	81-123	1	20	N.D.	N.D.	0 (1)	20
Barium	106	104	78-118	2	20	0.0805	0.0790	2	20
Cadmium	102	101	83-116	0	20	0.00071 J	0.00064 J	10 (1)	20
Calcium	110	110	81-118	0	20	4.50	4.48	1	20
Chromium	104	102	81-120	1	20	0.0084 J	0.0079 J	6 (1)	20
Lead	106	104	75-125	2	20	0.0086 J	0.0096 J	11 (1)	20
Magnesium	128*	125	75-125	1	20	2.60	2.57	1	20
Nickel	105	105	86-115	0	20	0.0068 J	0.0063 J	6 (1)	20
Selenium	100	101	75-125	2	20	N.D.	N.D.	0 (1)	20
Silver	94	93	75-125	2	20	N.D.	N.D.	0 (1)	20
Vanadium	102	101	90-111	1	20	0.0137	0.0128	6 (1)	20

Batch number: 131025713001

Sample number(s): 7020037-7020050 UNSPK: 7020038 BKG: 7020038

Mercury	100	98	80-120	2	20	N.D.	N.D.	0 (1)	20
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Batch number: 13102807901A

Sample number(s): 7020037-7020050 UNSPK: P015443

HEM (oil & grease)	62*	78-114
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Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: NHDES VOCs 25ml purge

Batch number: G131021AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7020037	98	102	99	97
7020038	99	101	100	98
7020039	100	100	99	97

* - Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

** = This limit was used in the evaluation of the final result

7020040	100	101	100	100	97
7020041	98	100	100	100	98
7020042	98	100	99	99	97
7020043	98	101	99	99	98
7020044	99	100	100	100	99
7020045	99	101	99	99	97
7020046	99	99	100	100	99
7020047	99	100	99	99	97
7020048	99	100	100	100	99
7020049	97	99	99	104	99
7020050	98	101	101	99	98
7020051	99	101	101	100	98
Blank	99	100	100	100	98
LCS	99	101	101	101	98
MS	100	100	100	100	98
MSD	99	101	101	101	99
Limits:	77-114	74-113	77-110	78-110	

Analysis Name: PAHs in waters by SIM
 Batch number: 13102WAE026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7020037	93	83	82
7020038	101	97	89
7020039	85	71	76
7020040	90	86	83
7020041	94	94	85
7020042	94	91	85
7020043	51*	42*	50*
7020044	51*	66	66
7020045	46*	56*	59
7020046	57*	48*	58
7020047	98	97	87
7020048	95	85	83
7020049	94	29*	74
7020050	102	96	89

* - Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

** = This limit was used in the evaluation of the final result

Blank	96	98	86
LCS	99	97	89
LCSD	100	100	90
Limits:	64-120	62-141	58-134

* - Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

** = This limit was used in the evaluation of the final result

QC Comment

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a ICS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

7020037 WS-003 (SURFACE) 041113 Grab Surface Water

7020038 WS-002 (SURFACE) 041113 Grab Surface Water

7020039 WS-BKG-001 (SURFACE) 041113 Grab Surface Water

7020040 WS-005 (SURFACE) 041113 Grab Surface Water

7020041 WS-001 (SURFACE) 041113 Grab Surface Water

7020042 WS-001 (0.5-1.0) 041113 Grab Surface Water

7020043 WS-004 (SURFACE) 041113 Grab Surface Water

08357 PAHs in waters by SIM

The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. The client was contacted and the data reported.

7020044 WS-004 (0.5-1.0) 041113 Grab Surface Water

08357 PAHs in waters by SIM

The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. The client was contacted and the data reported.

7020045 WS-007 (SURFACE) 041113 Grab Surface Water

08357 PAHs in waters by SIM

The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. The client was contacted and the data reported.

7020046 WS-007 (0.5-1.0) 041113 Grab Surface Water

08357 PAHs in waters by SIM

The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. The client was contacted and the data reported.

7020047 WS-006 (SURFACE) 041113 Grab Surface Water

7020048 WS-006 (0.5-1.0) 041113 Grab Surface Water

7020049 WS-008 (SURFACE) 041113 Grab Surface Water

08357 PAHs in waters by SIM

The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. The client was contacted and the data reported.

7020050 WS-DUP4-041113 Grab Surface Water

7020051 WS-TB-07-041113 Water

Name	Units	Method	Cas Number	7020037 WS-003(SURFACE)041113 Result	7020038 WS-002(SURFACE)041113 Result	7020039 WS-BKG-001(SURFACE)041113 Result	7020040 WS-005(SURFACE)041113 Result	7020041 WS-001(0.5-1.0)041113 Result	7020042 WS-001(0.5-1.0)041113 Result	7020043 WS-004(SURFACE)041113 Result	7020044 WS-004(0.5-1.0)041113 Result	7020045 WS-004(SURFACE)041113 Result	7020046 WS-007(0.5-1.0)041113 Result	7020047 WS-006(SURFACE)041113 Result	7020048 WS-007(SURFACE)041113 Result	7020049 WS-006(0.5-1.0)041113 Result	7020050 WS-DUP-041113 Result	7020051 WS-IB-07-041113 Result			
cetene	ug/l	SW-846 2200B 25mL purge	87-04-1	N.D.	3.0	5.0	N.D.	3.0	5.0	N.D.	3.0	5.0	3.2	J	3.0	5.0	N.D.	3.0	5.0		
ethyl Chloride	ug/l	SW-846 2200B 25mL purge	107-05-1	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5
ethene	ug/l	SW-846 2200B 25mL purge	71-43-2	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5
ethane	ug/l	SW-846 2200B 25mL purge	109-09-1	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5
methacromethane	ug/l	SW-846 2200B 25mL purge	74-37-5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5
romodichromethane	ug/l	SW-846 2200B 25mL purge	75-27-4	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5
romofrom	ug/l	SW-846 2200B 25mL purge	75-25-2	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5
romomethane	ug/l	SW-846 2200B 25mL purge	74-83-9	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5
Butanone	ug/l	SW-846 2200B 25mL purge	78-93-3	N.D.	1.0	5.0	N.D.	1.0	5.0	N.D.	1.0	5.0	N.D.	1.0	5.0	N.D.	1.0	5.0	N.D.	1.0	5.0
Butylbenzene	ug/l	SW-846 2200B 25mL purge	104-51-8	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5
3-Butylbenzene	ug/l	SW-846 2200B 25mL purge	35-99-8	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5
4-Butylbenzene	ug/l	SW-846 2200B 25mL purge	98-06-6	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5
Carbon Tetrachloride	ug/l	SW-846 2200B 25mL purge	56-23-5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5
chlorobenzene	ug/l	SW-846 2200B 25mL purge	108-90-7	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5
chloroethane	ug/l	SW-846 2200B 25mL purge	75-00-3	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5
chloroform	ug/l	SW-846 2200B 25mL purge	67-66-3	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5
Chloromethane	ug/l	SW-846 2200B 25mL purge	74-87-3	N.D.	0.2	0.5	N.D.	0.2	0.5	N.D.	0.2	0.5	N.D.	0.2	0.5	N.D.	0.2	0.5	N.D.	0.2	0.5
Chlorotoluene	ug/l	SW-846 2200B 25mL purge	95-49-8	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5
Chloroethane	ug/l	SW-846 2200B 25mL purge	106-43-4	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5
2-Dibromo-3-chloropropane	ug/l	SW-846 2200B 25mL purge	96-12-8	N.D.	0.2	0.5	N.D.	0.2	0.5	N.D.	0.2	0.5	N.D.	0.2	0.5	N.D.	0.2	0.5	N.D.	0.2	0.5
bromochloromethane	ug/l	SW-846 2200B 25mL purge	124-48-1	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5
2-Dibromoethane	ug/l	SW-846 2200B 25mL purge	106-93-4	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5
Dichlorobenzene	ug/l	SW-846 2200B 25mL purge	95-50-1	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5
3-Dichlorobenzene	ug/l	SW-846 2200B 25mL purge	541-73-1	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5
4-Dichlorobenzene	ug/l	SW-846 2200B 25mL purge	106-46-7	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5
1-Chlorodifluoromethane	ug/l	SW-846 2200B 25mL purge	75-71-8	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5
1-Chloroethane	ug/l	SW-846 2200B 25mL purge	75-94-3	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5
2-Chloroethane	ug/l	SW-846 2200B 25mL purge	107-06-2	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5
1,1-Dichloroethene	ug/l	SW-846 2200B 25mL purge	95-35-4	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5
trans-1,2-Dichloroethene	ug/l	SW-846 2200B 25mL purge	156-60-5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5
chlorofluoromethane	ug/l	SW-846 2200B 25mL purge	75-13-4	N.D.	0.2	0.5	N.D.	0.2	0.5	N.D.	0.2	0.5	N.D.	0.2	0.5	N.D.	0.2	0.5	N.D.	0.2	0.5
2-Dichloropropane	ug/l	SW-846 2200B 25mL purge	78-87-5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5
3-Dichloropropane	ug/l	SW-846 2200B 25mL purge	42-28-9	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5
2-Dichloropropene	ug/l	SW-846 2200B 25mL purge	594-20-7	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5
1-Dichloropropene	ug/l	SW-846 2200B 25mL purge	593-58-6	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5	N.D.	0.1	0.5
s-1,3-Dichloropropene	ug/l	SW-846 2200B 25mL purge																			